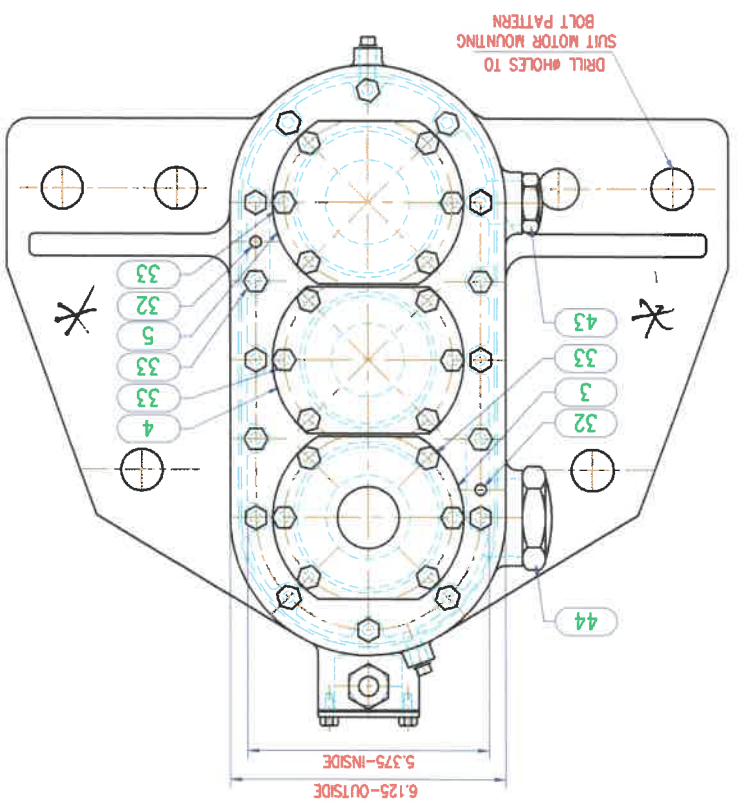
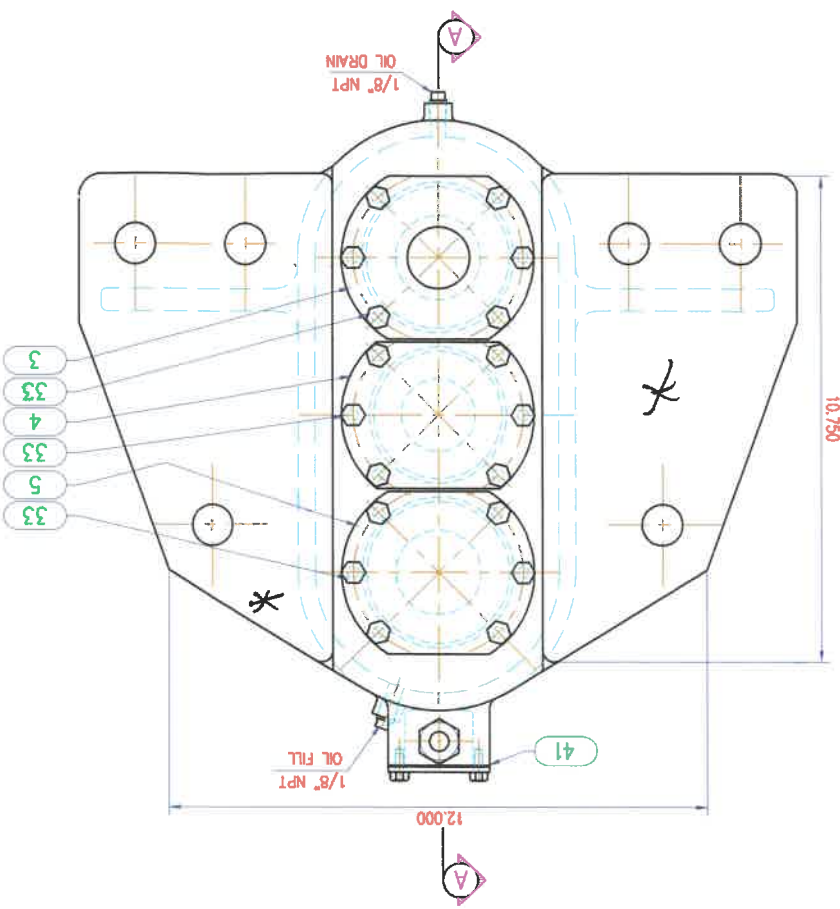
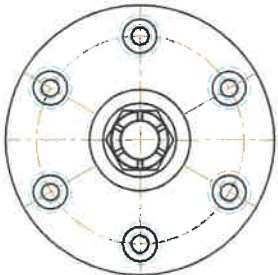


-VIEW B-B-



BILL OF MATERIAL

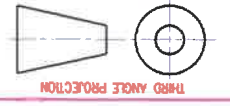
ITEM NO.	PART NO.	REC'D	DESCRIPTION	MATERIAL	WT.	EACH	TOTAL	REMARKS OR STORES CODE	ITEM NO.	PART NO.	REC'D	DESCRIPTION	MATERIAL	WT.	EACH	TOTAL	REMARKS OR STORES CODE
25			SHIFT AUXILIARY						25			SHIFT AUXILIARY					
26			SPUNE COLLAR						26			SPUNE COLLAR					
27			SPACER						27			SPACER					
28			OIL SPLASH RING						28			OIL SPLASH RING					
29			PROPELLER COLLAR						29			PROPELLER COLLAR					
30			LOCK NUT #3/4" UNF						30			LOCK NUT #3/4" UNF					
31			SPEED SHIFT ASSEMBLY						31			SPEED SHIFT ASSEMBLY					
32			#0.250" x 1" TAPERED PIN						32			#0.250" x 1" TAPERED PIN					
33			HEX HD.CAP SCREW #3/16" x 1/2" LG DRILLED HD.						33			HEX HD.CAP SCREW #3/16" x 1/2" LG DRILLED HD.					
34			HEX HD.CAP SCREW #3/16" x 1/2" LG DRILLED HD.						34			HEX HD.CAP SCREW #3/16" x 1/2" LG DRILLED HD.					
35			CASTLE NUT #7/8" UNF						35			CASTLE NUT #7/8" UNF					
36			O-RING MORN #256x263x3.5mm						36			O-RING MORN #256x263x3.5mm					
37			O-RING MORN 0800030 (#80x86x3mm)						37			O-RING MORN 0800030 (#80x86x3mm)					
38			O-RING MORN #72x78x3mm						38			O-RING MORN #72x78x3mm					
39			O-RING # 2-013 #7/16"x9/16"x1/16"						39			O-RING # 2-013 #7/16"x9/16"x1/16"					
40			RORARY SEAL SHAFT #1 3/8"x1.874"x0.250 WIDE						40			RORARY SEAL SHAFT #1 3/8"x1.874"x0.250 WIDE					
41			7000 RPM FREUDENBERG-NOK # SB2 A OR EQUAL						41			7000 RPM FREUDENBERG-NOK # SB2 A OR EQUAL					
42			GASKET 2 1/4"x1/32"x3"						42			GASKET 2 1/4"x1/32"x3"					
43			OIL LEVEL SIGHT #3/4"NPT MACHMASTER-CAR						43			OIL LEVEL SIGHT #3/4"NPT MACHMASTER-CAR					
44			INSPECTION WINDOW #1 1/4" NPT MACHMASTER-CAR						44			INSPECTION WINDOW #1 1/4" NPT MACHMASTER-CAR					
45									45								
46									46								
47									47								
48									48								

BILL OF MATERIAL

ITEM NO.	PART NO.	REC'D	DESCRIPTION	MATERIAL	WT.	EACH	TOTAL	REMARKS OR STORES CODE	ITEM NO.	PART NO.	REC'D	DESCRIPTION	MATERIAL	WT.	EACH	TOTAL	REMARKS OR STORES CODE
1			GEAR BOX						1			GEAR BOX					
2			BOX COVER						2			BOX COVER					
3			SPIGOT-1 FIXED 1 FLOAT BEARING						3			SPIGOT-1 FIXED 1 FLOAT BEARING					
4			SPIGOT-1 FIXED 1 FLOAT BEARING						4			SPIGOT-1 FIXED 1 FLOAT BEARING					
5			SPIGOT-1 FIXED 1 FLOAT BEARING						5			SPIGOT-1 FIXED 1 FLOAT BEARING					
6			INPUT SHAFT						6			INPUT SHAFT					
7			CLUSTER SHAFT						7			CLUSTER SHAFT					
8			OUTPUT SHAFT						8			OUTPUT SHAFT					
9			BEARING SLEEVE						9			BEARING SLEEVE					
10			BEARING SLEEVE						10			BEARING SLEEVE					
11			BEARING-BALL						11			BEARING-BALL					
12			BEARING-BALL						12			BEARING-BALL					
13			BEARING-ROLLER ASSEMBLY						13			BEARING-ROLLER ASSEMBLY					
14			SPACER						14			SPACER					
15			BEARING-ROLLER ASSEMBLY						15			BEARING-ROLLER ASSEMBLY					
16			SPACER						16			SPACER					
17			HEUCAL GEAR-MAN 28 TH, RATIO=1.0714285						17			HEUCAL GEAR-MAN 28 TH, RATIO=1.0714285					
18			HEUCAL GEAR-CLUSTER30 TH, RATIO=1.0714285						18			HEUCAL GEAR-CLUSTER30 TH, RATIO=1.0714285					
19			HEUCAL GEAR 27 TH						19			HEUCAL GEAR 27 TH					
20			HEUCAL GEAR-CLUSTER 20 TH						20			HEUCAL GEAR-CLUSTER 20 TH					
21			MAIN HELICAL GEAR 39 TH, NET RATIO=1.9387753						21			MAIN HELICAL GEAR 39 TH, NET RATIO=1.9387753					
22			SHIFT ASSEMBLY						22			SHIFT ASSEMBLY					
23			SPUNE BREAK COLLAR						23			SPUNE BREAK COLLAR					
24									24								

NOTES-
1-GEAR BOX TO BE USED
MAX. HP=480
MAX. RPM=6000
2-ALL BOLTS TO BE WIRED IN
MAX. RPM=2650-PROPELLER
3-GEAR BOX MOUNTING HOLES TO
BE DRILLED TO SUIT MOTOR
MOUNTING BOLT PATTERN.

-FRONT VIEW-



ALL DIMENSIONS ARE IN IMPERIAL UNITS

ABSTRACT NUMBER: XX - XX - XX
PROJECT NUMBER: AR-00000

SHEET: 1
COMP: 1
DRAW: 1

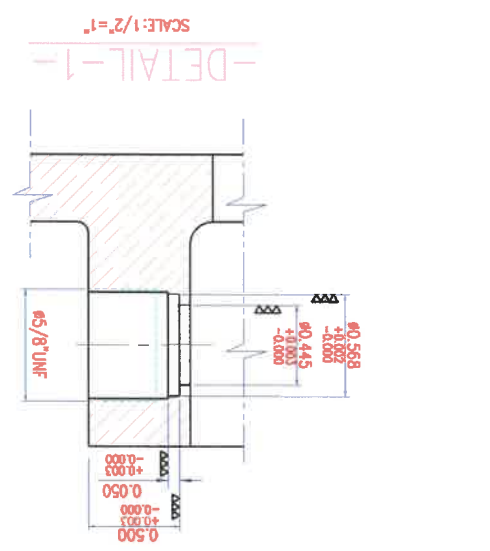
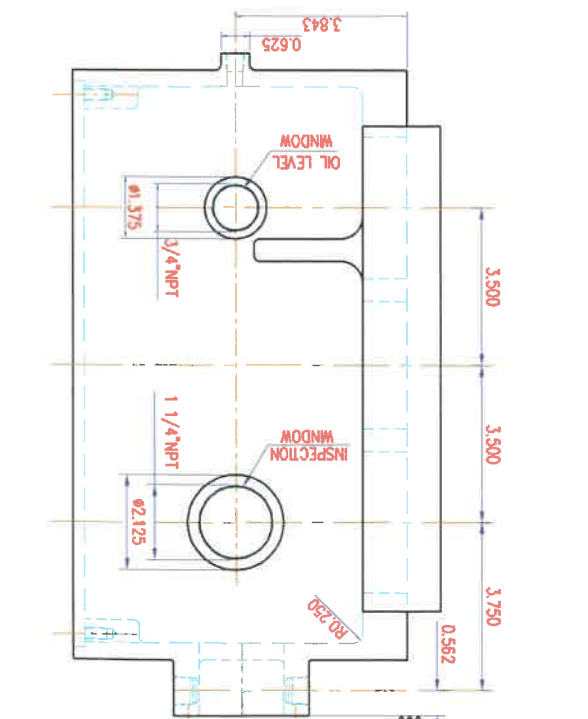
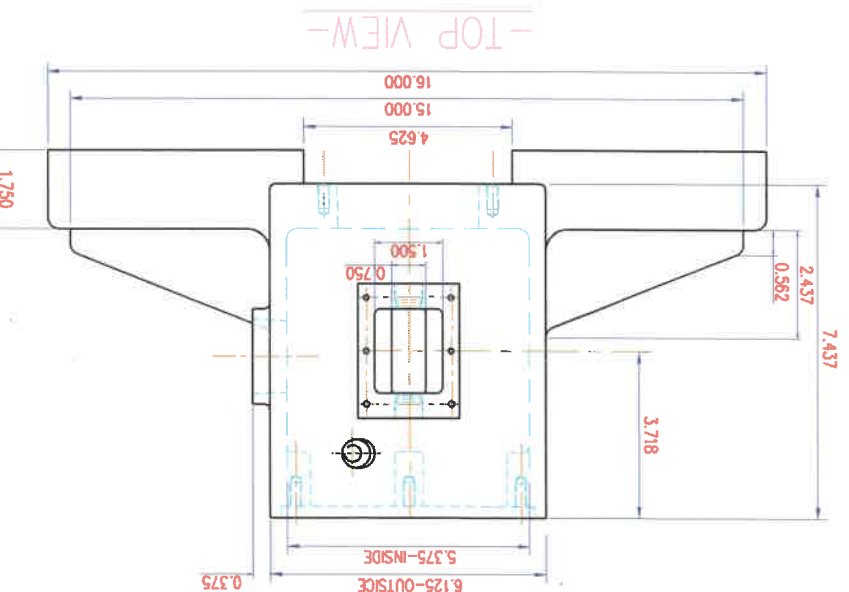
REV. 1

2001-02-06/Stone
MK-43 AND MK-44 ADDED

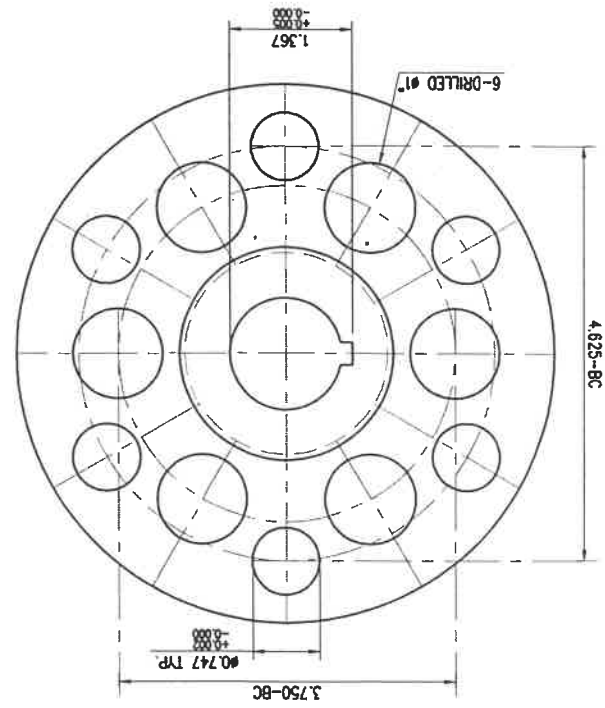
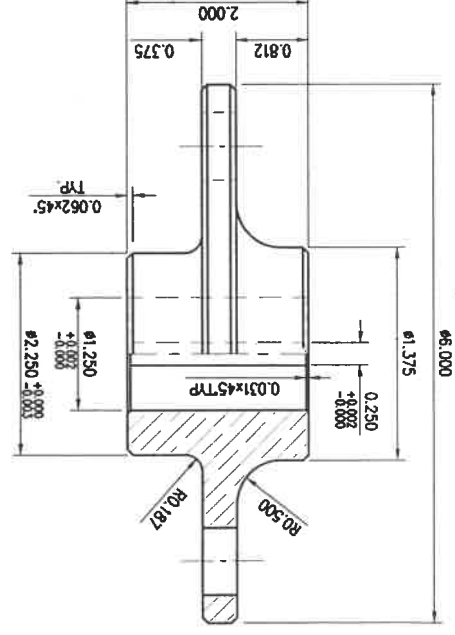
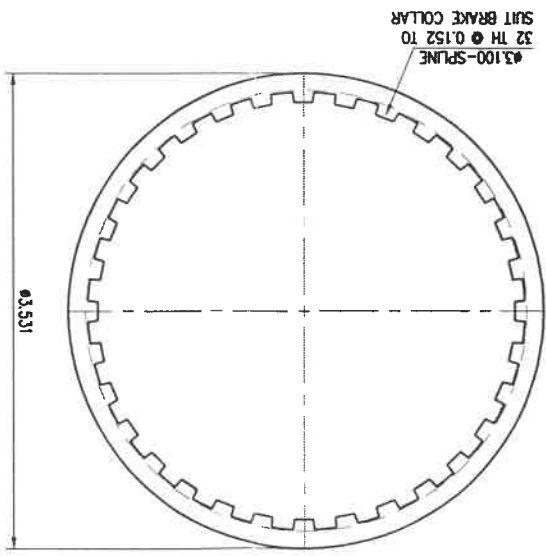
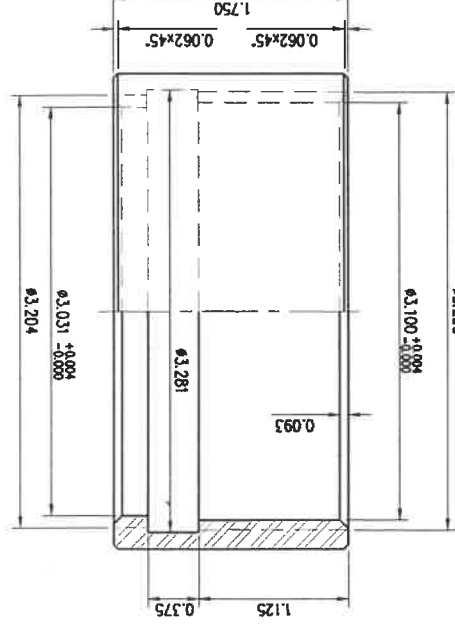
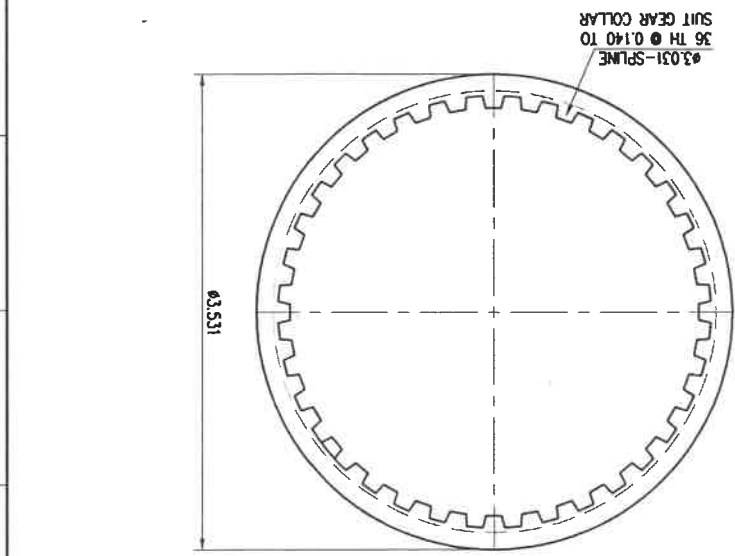
* See photos. This has been eliminated
* Do not cut threads
* drill 3/8 bolt hole & flush bolt to be covered by the prop

TOLERANCE & FINISH		TOLERANCE SPECIFIED OTHERWISE UNLESS INDICATED	
IMPERIAL	TOLERANCE	FINISH	CONCENTRICITY: 0.1
	0.000 = ± 0.002		ANGULARITY: ± 30 MINUTES
	0.005 = ± 0.015		REMOVE ALL SHARP CORNERS AND RE-RADIUS
	0.010 = ± 0.032		
	0.030 = ± 0.082		
	0.060 = ± 0.150		
	0.090 = ± 0.200		
	0.120 = ± 0.250		
	0.150 = ± 0.300		
	0.180 = ± 0.350		
	0.210 = ± 0.400		
	0.240 = ± 0.450		
	0.270 = ± 0.500		
	0.300 = ± 0.550		
	0.330 = ± 0.600		
	0.360 = ± 0.650		
	0.390 = ± 0.700		
	0.420 = ± 0.750		
	0.450 = ± 0.800		
	0.480 = ± 0.850		
	0.510 = ± 0.900		
	0.540 = ± 0.950		
	0.570 = ± 1.000		
	0.600 = ± 1.050		
	0.630 = ± 1.100		
	0.660 = ± 1.150		
	0.690 = ± 1.200		
	0.720 = ± 1.250		
	0.750 = ± 1.300		
	0.780 = ± 1.350		
	0.810 = ± 1.400		
	0.840 = ± 1.450		
	0.870 = ± 1.500		
	0.900 = ± 1.550		
	0.930 = ± 1.600		
	0.960 = ± 1.650		
	0.990 = ± 1.700		
	1.020 = ± 1.750		
	1.050 = ± 1.800		
	1.080 = ± 1.850		
	1.110 = ± 1.900		
	1.140 = ± 1.950		
	1.170 = ± 2.000		
	1.200 = ± 2.050		
	1.230 = ± 2.100		
	1.260 = ± 2.150		
	1.290 = ± 2.200		
	1.320 = ± 2.250		
	1.350 = ± 2.300		
	1.380 = ± 2.350		
	1.410 = ± 2.400		
	1.440 = ± 2.450		
	1.470 = ± 2.500		
	1.500 = ± 2.550		
	1.530 = ± 2.600		
	1.560 = ± 2.650		
	1.590 = ± 2.700		
	1.620 = ± 2.750		
	1.650 = ± 2.800		
	1.680 = ± 2.850		
	1.710 = ± 2.900		
	1.740 = ± 2.950		
	1.770 = ± 3.000		
	1.800 = ± 3.050		
	1.830 = ± 3.100		
	1.860 = ± 3.150		
	1.890 = ± 3.200		
	1.920 = ± 3.250		
	1.950 = ± 3.300		
	1.980 = ± 3.350		
	2.010 = ± 3.400		
	2.040 = ± 3.450		
	2.070 = ± 3.500		
	2.100 = ± 3.550		
	2.130 = ± 3.600		
	2.160 = ± 3.650		
	2.190 = ± 3.700		
	2.220 = ± 3.750		
	2.250 = ± 3.800		
	2.280 = ± 3.850		
	2.310 = ± 3.900		
	2.340 = ± 3.950		
	2.370 = ± 4.000		
	2.400 = ± 4.050		
	2.430 = ± 4.100		
	2.460 = ± 4.150		
	2.490 = ± 4.200		
	2.520 = ± 4.250		
	2.550 = ± 4.300		
	2.580 = ± 4.350		
	2.610 = ± 4.400		
	2.640 = ± 4.450		
	2.670 = ± 4.500		
	2.700 = ± 4.550		
	2.730 = ± 4.600		
	2.760 = ± 4.650		
	2.790 = ± 4.700		
	2.820 = ± 4.750		

QTY	UNIT	DESCRIPTION
1	EA	GEAR BOX



BILL OF MATERIAL				
BIDDERS ARE NOT TO BE GOVERNED BY THESE WEIGHTS				
ITEM	PART	DESCRIPTION	MATERIAL	REMARKS OR
No.	No.		WT.	WT.
26	1	SPINE COLLAR	Rockwell 55-65	
27	1	SPACER		
28	1	OIL SPLASH RING		
29	1	PROPELLER COLLAR		
A				



REFERENCE DRAWINGS				
SCALE: 1"=1"				
RATIO: 1:1				
FROM SET D + (34.5x22)				
SCHWEITZER				
AIRCRAFT GEAR BOX				
MODEL No.1				
DETAILS				
TOLERANCE & FINISH				
UNLESS OTHERWISE SPECIFIED				
SURFACES: 0.5/100mm				
CONCENTRICITY: 0.1				
ANGULARITY: +/- 30 MINUTES				
REMOVE ALL SHARP CORNERS AND EX-EDGES				
THIRD ANGLE PROJECTION				
ALL DIMENSIONS ARE IN IMPERIAL UNITS				
ABSTRACT NUMBER: XX - XX - XX				
PROJECT NUMBER: AR-00000				
SHEET: 0				
COM: ED-5				
DRAWN: 2000-10-12				
CHECKED: 2000-11-14				
REV: 0				

